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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,888	09/10/2003	Alan W. Lockstedt	05516/130002 3194	
75	90 04/23/2004		EXAM	INER
ROSENTHAL & OSHA L.L.P.			TSAY, FRANK	
Suite 2800 1221 McKinney	Street		ART UNIT	PAPER NUMBER
Houston, TX 77010			3672	
			DATE MAILED: 04/23/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Frank S Tsay A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Educations of liner may be available under the provisions of 370 CFR 1 138(a). In so event, however, may a reply be mady flood after 93 K (MONTH) from the imaging date of the communication. If the MAILING DATE OF THIS COMMUNICATION. Educations of liner may be available under the provisions of 370 CFR 1 138(a). In so event, however, may a reply be flowly be flowed to the sent may be available under the provision of 130 cm, or reply which the set or extended princt for reply will, by statute, cause the application become ABANDONED (SU S C 9 1 13). Frank S Tsay Frank S Tsay A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE ARCH THE	Office Action Common	10/658,888	LOCKSTEDT ET AL.				
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A SHORTHED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Let Mail Six (b) MONTH'S from the making date of this communication. If the period for reply specifical bilds under the animal state of this communication. If the period for reply specifical bilds under the animal state of this communication. If the period for reply specifical bilds under the animal state of this communication. If the period for reply specifical bilds under the state of this communication. If the period for reply specifical bilds under the state of the school of the period will specify and valid agent SIX (6) MONTH'S bout the melling date of this communication. If the period for reply specifical bilds the that the the melling date of this communication, over if streety field, they reduce they arrived patient term edigistment. See 37 CFR 1.704(b). Status 1) □ Responsive to communication(s) filed on <u>98 December 2003</u> . 2a) □ This action is FINAL. 2b) □ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) <u>94-96</u> is/are pending in the application, 4a) Of the above claim(s)is/are allowed. 5) □ Claim(s) <u>74-76, 78 and 84</u> is/are rejected. 7) □ Claim(s) <u>74-76, 78 and 84</u> is/are rejected. 7) □ Claim(s) <u>74-76, 78 and 84</u> is/are rejected to. 8) □ Claim(s) <u>74-76, 78 and 84</u> is/are rejected to. 8) □ Claim(s) <u>74-76, 78 and 84</u> is/are rejected to. 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 1) □ The drawing(s) filed on is							
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Application/Control Number: 10/658,888

Art Unit: 3672

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 74-76, 78, 84 are rejected under 35 U.S.C. 102(b) as being anticipated by Hall et al (US 4,802,539).

The bit body and the plurality of roller cone cutters is clearly shown in Figs 2, 3, 14, and 15, where each of the roller cones 136 is rotatably mounted on the bit body about a respective cone axis and having plurality of rows of cutting inserts thereon. The gage row and the gage insert is anticipated by gage inserts 138 shown in fig. 3 and col. 5, lines 67+. The acute angle between the insert axis and the cone axis is anticipated by Fig. 3, where the gage insert is disposed at a selected distance from the shoulder near numeral 169 or 168 (See Fig. 3). The acute angle shown in Fig. 3, is also anticipated to be between 0-50 degrees. The off gage row is anticipated by row where inserts 137 are disposed.

Allowable Subject Matter

Claims 64-73, and 85-96 are allowed.

Claims 77, 79-83 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Scott et al, Minikus et al, Hooper et al, and Portwood et al all show rolling cones bits having special gage row arrangements.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frank S Tsay whose telephone number is (703) 308-2170. The examiner can normally be reached on Monday thru Friday, 7:30am-5:00 pm. 2nd Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David J Bagnell can be reached on (703)308-2151. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Frank S Tsav

Primary Examiner

Art Unit 3672